

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-26 (canceled)

27. (New) A flexible intravascular stent for use in a body lumen, comprising:

 a plurality of cylindrical rings aligned along a common longitudinal axis and interconnected to form the stent, each cylindrical ring having a first delivery diameter and a second implanted diameter;

 each cylindrical ring having a plurality of first peaks, each of the first peaks having a first height;

 each cylindrical ring having a plurality of second peaks, each second peak having a second height, the second height being shorter than the first height;

 at least one undulating link attaching each cylindrical ring to an adjacent cylindrical ring, the undulating links having a curved portion extending transverse to the stent longitudinal axis toward the second peak, the second height of the second peak being sized so that as the stent is compressed to the first delivery diameter, the curved portion of the undulating link is longitudinally aligned with the second peak; and

 each undulating link having a first arm that is straight and parallel to the longitudinal axis and circumferentially offset from the second peak.

28. (New) The stent of claim 27, wherein the undulating link has a second arm that is straight and parallel to the longitudinal axis and circumferentially offset from the second peak.

29. (New) The stent of claim 28, wherein the first arm has a length and the second arm has a length, the lengths of the arms being different.

30. (New) The stent of claim 27, wherein the undulating links attaching a first pair of cylindrical rings are circumferentially offset from the undulating links attaching an adjacent pair of cylindrical rings.

31. (New) The stent of claim 27, wherein the undulating links attaching a first cylindrical ring to a second cylindrical ring are circumferentially offset from the undulating links attaching the second cylindrical ring to a third cylindrical ring.

32. (New) The stent of claim 27, wherein the stent does not substantially shorten when expanded.

33. (New) The stent of claim 27, wherein first struts are attached to the first peaks and second struts are attached to the second peaks.

34. (New) The stent of claim 33, wherein the first struts are curved.

35. (New) The stent of claim 33, wherein the second struts are curved.